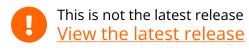


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# Labour Force, Australia

Headline estimates of employment, unemployment, underemployment, participation and hours worked from the monthly Labour Force Survey

Reference period June 2022

Released 14/07/2022

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### **Key statistics**

Seasonally adjusted estimates for June 2022:

- unemployment rate decreased to 3.5%.
- participation rate increased to 66.8%.
- employment increased to 13,599,300.

- employment to population ratio increased to 64.4%.
- underemployment rate increased to 6.1%.
- monthly hours worked fell less than 0.1% to 1,856 million.

	May-2022	Jun-2022	Monthly change	Monthly change (%)	Yearly change	Yearly change (%)
Seasonally adjusted						
Employed people	13,510,900	13,599,300	88,400	0.7%	438,000	3.3%
Unemployed people	548,100	493,900	-54,300	-9.9%	-188,500	-27.6%
Unemployment rate	3.9%	3.5%	-0.4 pts	na	-1.4 pts	na
Underemployment rate	5.7%	6.1%	0.3 pts	na	-1.9 pts	na
Participation rate	66.7%	66.8%	0.1 pts	na	0.5 pts	na
Monthly hours worked in all jobs	1,856 million	1,856 million	0 million	0.0%	69 million	3.8%

Estimates of changes throughout this release are calculated using un-rounded level estimates and may be different from, but are more accurate than, movements obtained from the rounded level estimates.

# Survey impacts and changes

#### Articles and other information

The ABS has again included more detailed information given the interest in understanding:

- hours worked
- the labour market before the monthly Labour Force Survey commenced in 1978

This detailed information can be found in:

- <u>Insights into hours worked, June 2022 (/articles/insights-hours-worked-june-2022)</u>
- <u>Historical charts from 1966 to June 2022 (/articles/historical-charts-august-1966-june-2022)</u>

For a list of previously published LFS articles, see the <u>Article archive (/statistics/labour/employment-and-unemployment/labour-force-australia/latest-release#article-archive)</u>.

The ABS is also continuing to include data cubes EM2a and EM2b in this release. These two data cubes are usually only released in <u>Labour Force</u>, <u>Australia</u>, <u>Detailed</u> (/ <u>statistics/labour/employment-and-unemployment/labour-force-australia-detailed/latest-release</u>), but will continue to be released in the headline release over the coming months, to enable more detailed analysis of changes in hours worked and the reasons that people are working reduced or no hours.

Additional spreadsheets and pivot tables are published in <u>Labour Force</u>, <u>Australia</u>, <u>Detailed</u> (/statistics/labour/employment-and-unemployment/labour-force-australia-detailed/latest-release) one week after this release, while longitudinal labour force microdata are released in the ABS DataLab, on 22 July 2022 (see <u>Microdata</u>: <u>Longitudinal Labour Force</u>, <u>Australia</u> (/statistics/microdata-tablebuilder/available-microdata-tablebuilder/longitudinal-labour-force-australia</u>).

### Seasonal adjustment and trend estimates

In the April 2020 Labour Force release, the ABS advised that the method used to produce seasonally adjusted estimates would be changed from the 'concurrent' method to the 'forward factors' method, during the COVID-19 period. The forward factors approach is better suited to managing large movements at the end point of series and ensures that large movements do not have a disproportionate influence on the seasonal factors.

The ABS continues to monitor the economic impacts from COVID-19 with a view to reverting to the concurrent method and reinstating trend data within the coming months if there are no further significant and prolonged disruptions to key series.

### Survey response and timeline

The June Labour Force Survey was run in respect of the two weeks from Sunday 29 May to Saturday 11 June, and collected over the period from Sunday 5 June to Saturday 25 June.

The ABS would like to thank Australians for their continued support in responding to our surveys during such a difficult time, given how critically important this information is.

#### Reference and Enumeration Dates

Publication	Start of	End of	Start of	End of
	Reference Week	Reference Week	Enumeration	Enumeration
May-22	1st May 2022	14th May 2022	8th May 2022	28th May 2022

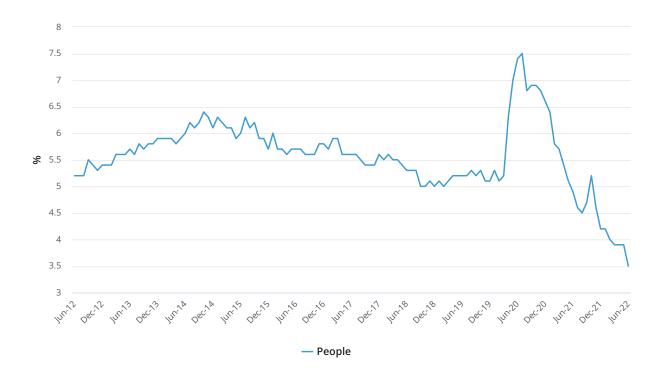
Publication	Start of Reference Week	End of Reference Week	Start of Enumeration	End of Enumeration
Jun-22	29th May 2022	11th June 2022	5th June 2022	25th June 2022
Jul-22	3rd July 2022	16th July 2022	10th July 2022	30th July 2022
Aug-22	31st July 2022	13th August 2022	7th August 2022	27th August 2022
Sep-22	4th September 2022	17th September 2022	11th September 2022	1st October 2022
Oct-22	2nd October 2022	15th October 2022	9th October 2022	29th October 2022

# Unemployment

In seasonally adjusted terms, in June 2022:

- unemployment rate decreased to 3.5%.
- unemployment rate was 1.7 pts below March 2020.
- unemployed people decreased by 54,300 to 493,900.
- unemployed people was 225,500 lower than March 2020.
- youth unemployment rate decreased to 7.9%.
- youth unemployment rate was 3.7 pts lower than March 2020.

### Unemployment rate, Seasonally adjusted



### **Employment**

In seasonally adjusted terms, in June 2022, employment:

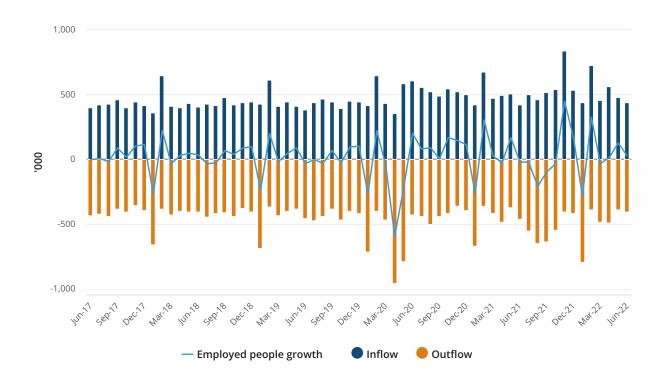
- increased by 88,400 people (0.7%) to 13,599,300 people.
- was 597,100 people (4.6%) higher than March 2020.

## Flows into and out of employment

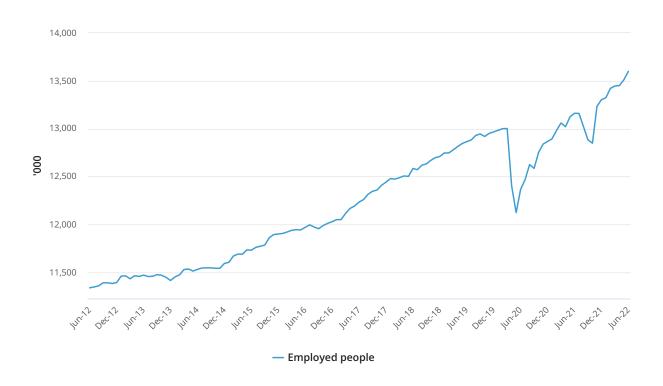
Flows into and out of employment are extensive and are based on the net matched sample of original employment growth between two consecutive months (around 80% of the sample). The (net) sum of the inflows and outflows does not necessarily equal the 'net' employment growth.

For June 2022, the net change in the number of employed people is the result of around 441,000 people entering employment (i.e. they were not employed in May but were employed in June), while around 404,000 people left employment (i.e. they were employed in May but not employed in June). This contrasts with May 2022, where around 480,000 people entered employment and around 384,000 people left employment.

# Monthly inflows, outflows and employment growth, Original



### Employed people, Seasonally adjusted



### Full-time and part-time employment

In seasonally adjusted terms, in June 2022:

- full-time employment increased by 52,900 to 9,496,300 people, and part-time employment increased by 35,500 to 4,103,000 people.
- part-time share of employment was 30.2%, 1.6 pts lower than in March 2020.

### **Employment-to-population ratio**

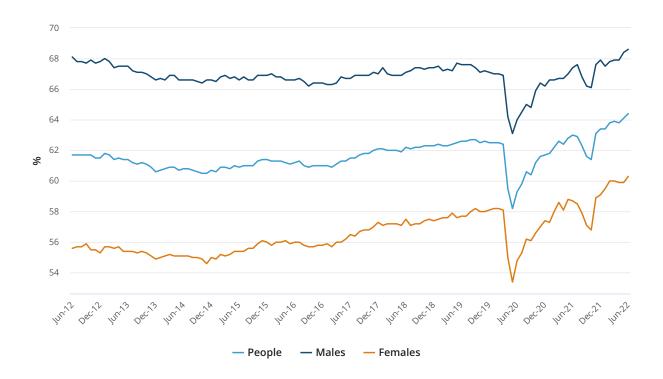
In seasonally adjusted terms, in June 2022, the employment-to-population ratio:

- increased to 64.4%.
- was higher than March 2020 by 2.0 pts.

The employment-to-population ratio provides a measure of employment relative to the size

of the population.

### Employment-to-population ratio, Seasonally adjusted



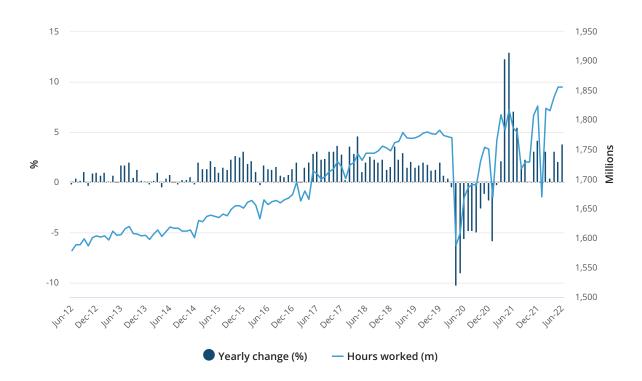
### Hours worked

In seasonally adjusted terms, in June 2022, monthly hours worked in all jobs:

- decreased by 0.4 million hours (0.0%) to 1,856 million hours.
- increased by 85.9 million hours (4.9%) from March 2020.

See the article <u>Insights into hours worked (/articles/insights-hours-worked-june-2022)</u> for more.

# Monthly hours worked in all jobs, Seasonally adjusted

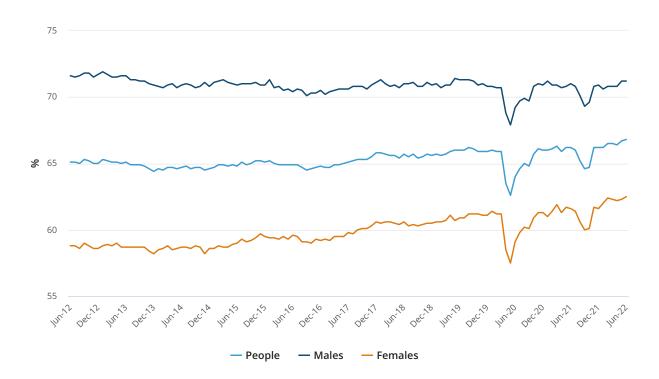


# **Participation**

In seasonally adjusted terms, in June 2022, the participation rate:

- increased by 0.1 pts to 66.8%.
- remained at 71.2% for men and increased by 0.2 pts to 62.5% for women.
- was higher than March 2020 by 0.9 pts.

### Participation rate, Seasonally adjusted

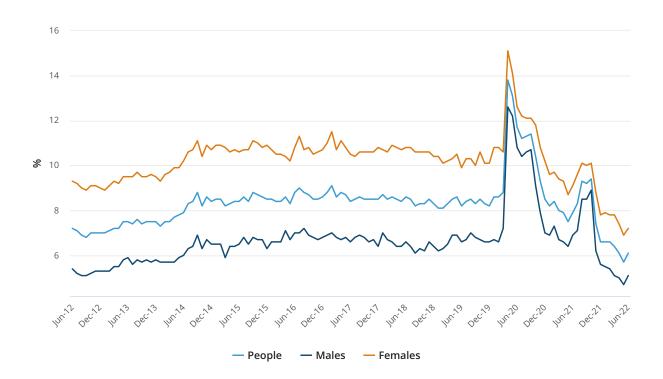


# Underemployment

In seasonally adjusted terms, in June 2022:

- underemployment rate increased by 0.3 pts to 6.1%.
- underemployment rate was 2.7 pts lower than March 2020.
- underutilisation rate remained at 9.6% in rounded terms.
- underutilisation rate was 4.5 pts lower than March 2020.

# Underemployment rate, Seasonally adjusted



# **States and Territories**

June 2022, Seasonally adjusted

	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania	Noi Tei
Employed people	4,286,500	3,544,500	2,780,100	886,700	1,464,200	263,700	
Employed people - monthly change	0.6%	0.8%	0.5%	0.1%	-0.6%	-0.4%	
Employment to population ratio	63.9%	64.9%	64.7%	60.3%	67.0%	58.3%	
Employment to population ratio - monthly change	0.3 pts	0.5 pts	0.2 pts	0.0 pts	-0.5 pts	-0.3 pts	

	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania	Noı Teı
Unemployment rate	3.3%	3.2%	4.0%	4.3%	3.4%	4.3%	
Unemployment rate - monthly change	-0.7 pts	-0.5 pts	-0.1 pts	-0.3 pts	0.3 pts	-0.2 pts	
Underemployment rate	5.9%	6.2%	6.2%	6.9%	5.7%	7.7%	
Underemployment rate - monthly change	0.4 pts	0.4 pts	0.1 pts	0.4 pts	0.3 pts	1.4 pts	
Participation rate	66.0%	67.1%	67.4%	63.0%	69.3%	61.0%	
Participation rate - monthly change	-0.2 pts	0.2 pts	0.1 pts	-0.2 pts	-0.3 pts	-0.4 pts	

### Rotation group analysis

### Sample composition and rotation

The Labour Force Survey sample can be thought of as comprising eight sub-samples (rotation groups), with each sub-sample remaining in the survey for eight months, and one group "rotating out" each month and being replaced by a new group "rotating in". As seven-eighths of the sample are common from one month to the next, changes in the estimates reflect real changes in the labour market, rather than changes in the sample. The replacement sample is generally selected from the same geographic areas as the outgoing one, as part of a representative sampling approach.

The sample comprises three components:

- the matched common sample (people who responded in both the current month and previous month)
- the unmatched common sample (people who responded in the current month but who did not respond in the previous month, or vice versa)
- the incoming rotation group (replacing people who rotated out)

The matched common sample describes the change observed for the same respondents in the current and previous month, while the other two components reflect differences between the aggregate labour force status of different groups of people.

While the rotation groups are designed to be representative of the population, the outgoing

and incoming rotation groups will almost always have somewhat different characteristics, as they reflect different households and people. The design of the survey, including the weighting and estimation processes, ensures that these differences are generally relatively minor and do not affect the representativeness of the survey and its estimates. Monthly estimates are designed to be representative, regardless of the relative contribution of the three components of the sample.

The contributions of the three sample components to the original estimates of employed, unemployed and not in the labour force are in the Contribution from sample components to estimates spreadsheet.

### Estimates for the incoming and outgoing rotation groups

### Incoming and outgoing rotation groups

	May outgoing rotation group	June incoming rotation group	June outgoing rotation group	June estimate (Original)
Employment to population ratio	63.3%	64.9%	65.7%	64.5%
Full-time employment to population ratio	43.7%	45.9%	45.6%	44.8%
Unemployment rate	3.5%	3.3%	2.8%	3.4%
Participation rate	65.6%	67.1%	67.5%	66.8%

#### States and territories

In addition to analysis across the entire sample, the ABS also undertakes similar analysis for the responding sample in each state and territory each month, and highlights where there is a notable change for users to be aware of. For example, in June 2022, the incoming rotation group in Victoria had a higher employment-to-population ratio than the group it replaced. This ratio of the incoming rotation group in Victoria is the highest among all the rotation groups in Victoria. As with any notable month-to-month movement of this nature in state and territory estimates, the ABS recommends exercising a degree of caution in interpreting short-term changes.

As for its reporting for the entire sample, where the ABS has not highlighted a notable incoming rotation group effect, any larger changes should therefore be considered to reflect a broader change across the sample.

### Managing COVID-19 impacts on incoming rotation groups

In response to COVID-19 and the suspension of face-to-face interviewing, the ABS increased the size of sample for the incoming rotation groups from June to December 2020 to ensure response level were around the same as pre-COVID-19 rotation groups. This ensured a comparable number of fully responding households to the pre-COVID period.

In response to the data collection challenges associated with the COVID-19 Delta variant, the ABS increased the size of the sample for the incoming rotation group in New South Wales in September 2021, and in New South Wales and Victoria from October 2021 to January 2022. As with earlier in the pandemic, this has ensured that survey response has remained at a similar level to the pre-COVID period.

The sample size of the incoming rotation groups since February 2022 was similar to the rotation groups of the pre-COVID period.

It should be noted that the rotation group with increased samples in November 2021 was the outgoing rotation group in June 2022. It will be replaced with a rotation group with a similar sample size to the rotation groups of the pre-COVID period in July 2022.

Between April and September 2020, and in September and October 2021, additional weighting treatments were used to effectively account for a slightly higher level of non-response related to lockdowns and other restrictions. No such treatment has been required since October 2021.

### Comparability with seasonally adjusted data

The gross flows and rotation group data are in original terms only, and are included to provide additional information on the month-to-month movements. They have a considerable level of inherent sampling variability, which is specifically adjusted for in the seasonally adjusted series.

While trend data usually provides the best measure of the underlying behaviour of the labour market, in times of large changes in the labour market, seasonally adjusted data provides a better estimate of the most recent months. The ABS has temporarily suspended the trend series until labour market indicators become more stable, see <u>Suspension of trend series and changes to seasonal adjustment during the COVID-19 period (/statistics/labour/employment-and-unemployment/labour-force-australia/apr-2020#covid-19-impacts-and-changes)</u>.

#### Contribution from sample components to estimates

**<u>↓</u>** Download XLSX

[43.11 KB]

#### Data downloads

Labour Force Survey results are released in three stages.

- 1. Spreadsheets of the headline indicators are published in this release
- 2. Additional, more detailed spreadsheets and pivot tables are published in <u>Labour Force</u>, <u>Australia</u>, <u>Detailed</u> (/statistics/labour/employment-and-unemployment/ <u>labour-force-australia-detailed/latest-release</u>) one week after this first release
- 3. Longitudinal labour force microdata are released in the ABS DataLab on a monthly basis, one day after the detailed release (see <a href="Microdata: Longitudinal">Microdata: Longitudinal</a> Labour Force, Australia (/statistics/microdata-tablebuilder/available-microdata-tablebuilder/longitudinal-labour-force-australia))

See the <u>Survey output (/methodologies/labour-force-australia-methodology/jun-2022#survey-output)</u> section of Labour Force, Australia methodology for more information.

#### **Labour Force status**

Table 1. Labour force status by Sex, Australia - Trend, Seasonally adjusted and Original

#### **▶ Download** XLSX

[985 KB]

Table 4. Labour force status by Sex, New South Wales - Trend, Seasonally adjusted and Original

#### **▶ Download** XLSX

[687.67 KB]

Table 5. Labour force status by Sex, Victoria - Trend, Seasonally adjusted and Original

#### **<u> → Download XLSX</u>**

[687.53 KB]

Table 6. Labour force status by Sex, Queensland - Trend, Seasonally adjusted and Original

#### **↓ Download** XLSX

[689.79 KB]

Table 7. Labour force status by Sex, South Australia - Trend, Seasonally adjusted and Original

#### **<u> ▶ Download XLSX</u>**

[686.07 KB]

Table 8. Labour force status by Sex, Western Australia - Trend, Seasonally adjusted and Original

#### **▶ Download** XLSX

[688.56 KB]

Table 9. Labour force status by Sex, Tasmania - Trend, Seasonally adjusted and Original

#### **<u> ▶ Download XLSX</u>**

[692.15 KB]

Table 10. Labour force status by Sex, Northern Territory - Trend and Original

#### **↓ Download** XLSX

[637.42 KB]

Table 10a. Labour force status by Sex, Northern Territory - Seasonally adjusted

#### **<u> ▶ Download XLSX</u>**

[160.51 KB]

Table 11. Labour force status by Sex, Australian Capital Territory - Trend and Original

#### **<u>▶</u>** Download XLSX

[590.65 KB]

Table 11a. Labour force status by Sex, Australian Capital Territory - Seasonally adjusted

#### **▶ Download** XLSX

[160.67 KB]

Table 12. Labour force status by Sex, State and Territory - Trend, Seasonally adjusted and Original

**<u> → Download XLSX</u>** 

[5.91 MB]

Table 12a. Labour force status by Sex, Territory - Seasonally adjusted

**<u> → Download XLSX</u>** 

[274.5 KB]

Table 13. Labour force status for 15-24 year olds by Sex - Trend, Seasonally adjusted and Original

**<u> → Download XLSX</u>** 

[973.76 KB]

Table 15. Labour force status for 15-24 year olds by Educational attendance (full-time) and Sex

**<u> ▶</u> Download** XLSX

[762.75 KB]

Table 16. Labour force status for 15-24 year olds by State, Territory and Educational attendance (full-time)

**<u> → Download XLSX</u>** 

[2.33 MB]

Table 17. Labour force status for 15-19 year olds by Sex - Trend, Seasonally adjusted and Original

**<u> → Download XLSX</u>** 

[798.3 KB]

Table 18. Labour force status for 15-64 year olds by Sex - Trend, Seasonally adjusted and Original

**▶ Download** XLSX

[980.39 KB]

#### Hours worked

Table 19. Monthly hours worked in all jobs by Employed full-time, part-time and Sex and by State and Territory - Trend and Seasonally adjusted

**↓ Download** XLSX

[371.14 KB]

Table 19a. Monthly hours worked in all jobs by Employed full-time, part-time and Sex and Territory - Seasonally adjusted

**<u> ▶ Download XLSX</u>** 

[60.04 KB]

Table 21. Quarterly hours worked in all jobs by Market and Non-market sector - Seasonally adjusted

**▶ Download** XLSX

[56.88 KB]

EM2a - Employed persons who worked fewer hours than usual by hours actually worked in all jobs and sex, January 1991 onwards (pivot table)

**<u> → Download XLSX</u>** 

[<u>17.4 MB</u>]

EM2b - Employed persons who worked fewer hours than usual by hours actually worked in all jobs, state and territory, January 1991 onwards (pivot table)

**▶ Download** XLSX

[8.07 MB]

#### Underemployment and underutilisation

Table 22. Underutilised persons by Age and Sex - Trend, Seasonally adjusted and Original

**↓ Download** XLSX

[6.64 MB]

Table 23. Underutilised persons by State and Territory and Sex - Trend, Seasonally adjusted and Original

**↓ Download** XLSX

[8.34 MB]

Table 23a. Underutilised persons by Territory and Sex - Seasonally adjusted

**▶ Download** XLSX

[395.75 KB]

Table 24. Underutilised persons by Age and Sex (expanded analytical series)

**↓ Download** XLSX

[423.79 KB]

Table 25. Underutilised persons by State, Territory and Sex (expanded analytical series)

**↓ Download** XLSX

[351.09 KB]

Flows into and out of employment

# GM1 - Labour force status and Gross changes (flows) by Age, Sex, State and Territory, February 1991 onwards

<u>**Download XLSX**</u> [79.71 MB]

### All time series spreadsheets

#### All time series spreadsheets

**<u> → Download ZIP</u>** 

[29.16 MB]

#### **Data Explorer datasets**

Caution: Data in the Data Explorer is currently released after the 11:30am release on the ABS website. Please check the time period when using Data Explorer.

For information on Data Explorer and how it works, see the <u>Data Explorer user guide (/ about/data-services/data-explorer/data-explorer-user-guide)</u>.

Labour force status by Sex, State and Territory (https://explore.data.abs.gov.au/vis? tm=labour%20force&pg=0&df[ds]=ABS\_ABS\_TOPICS&df[id]=LF&df[ag]=ABS&df[vs]=1.0.0&hc [Measure]=Labour%20Force&hc[ABS%20Topics]=LABOUR&pd=2021-01%2C&dq=M9.3.1599. 30%2B10%2B20.AUS.M&ly[cl]=TIME\_PERIOD&ly[rw]=TSEST)\_ - Number of people employed, unemployed and not in the labour force, monthly, February 1978 and onwards

#### Article archive

### Understanding the labour force

Historical charts from August 1966 to May 2022 (/articles/historical-charts-august-1966-may-2022) (May 2022)

Historical charts from August 1966 to April 2022 (/articles/historical-charts-august-1966-april-2022) (April 2022)

Historical charts from 1966 (/articles/historical-charts-1966) (March 2022)

<u>Understanding full-time and part-time work (/articles/understanding-full-time-and-part-</u>

time-work) (January 2021)

<u>Understanding differences between Labour Force employment statistics and Weekly Payroll Jobs (/articles/understanding-differences-between-labour-force-employment-statistics-and-weekly-payroll-jobs) (April 2020)</u>

<u>Classifying people during the COVID-19 period (https://www.abs.gov.au/articles/classifying-people-labour-force-survey-during-covid-19-period) (March 2020)</u>

<u>Labour Force Explained (https://www.abs.gov.au/websitedbs/D3310114.nsf/home/labour+force+explained)</u> (September 2017)

<u>Understanding the Australian labour force using ABS statistics (https://www.abs.gov.au/AUSSTATS/abs@.nsf/Lookup/6202.0Main%20Features999Dec%202013)</u> (December 2013)

<u>Understanding full-time / part-time status in the Labour Force Survey (https://www.abs.gov.au/AUSSTATS/abs@.nsf/Lookup/6202.0Main%20Features4Sep%202013)</u> (September 2013)

Employment level estimates versus employment to population ratio explained (https://www.abs.gov.au/AUSSTATS/abs@.nsf/Lookup/6202.0Main%20Features2Jan%202012) (January 2012)

## **Employment and jobs**

<u>Charts on casual employment, occupation and industry (/articles/charts-casual-employment-occupation-and-industry-may-2022)</u> (May 2022)

<u>Insights into job mobility from quarterly Labour Force Statistics (/articles/insights-job-mobility-quarterly-labour-force-statistics-february-2022)</u> (February 2022)

<u>Charts on casual employment, occupation and industry (/articles/charts-casual-employment-occupation-and-industry-february-2022)</u> (February 2022)

<u>Insights into job mobility from quarterly Labour Force statistics (/articles/insights-job-mobility-quarterly-labour-force-statistics)</u> (December 2021)

<u>Charts on casual employment, occupation and industry (/articles/charts-casual-employment-occupation-and-industry-november-2021) (November 2021)</u>

<u>Charts on casual employment, occupation and industry (/articles/charts-casual-employment-occupation-and-industry-august-2021)</u> (August 2021)

Charts on casual employment, occupation and industry (/articles/charts-casual-

employment-occupation-and-industry) (May 2021)

<u>Changing female employment over time (/articles/changing-female-employment-over-time)</u> (February 2021)

<u>Insights into casual employment, occupation and industry (https://www.abs.gov.au/articles/insights-casual-employment-occupation-and-industry)</u> (November 2020)

Strong employment growth for non-employees (/articles/strong-employment-growth-non-employees) (August 2020)

State and territory employment and hours worked (/articles/state-and-territory-employment-and-hours-worked) (August 2020)

<u>Employment and unemployment: An International Perspective (/articles/employment-and-unemployment-international-perspective) (August 2020)</u>

Flows into and out of employment and unemployment (/articles/flows-and-outemployment-and-unemployment) (June 2020)

<u>Insights into industry and occupation (/articles/insights-industry-and-occupation) (May 2020)</u>

Employment and unemployment: An international perspective (/articles/employment-and-unemployment-international-perspective-may-2020) (May 2020)

Employment and unemployment: An international perspective (/articles/employment-and-unemployment-international-perspective-april-2020) (April 2020)

<u>People moving into or out of employment or unemployment every month (/articles/people-moving-or-out-employment-or-unemployment-every-month) (March 2020)</u>

How many people work one hour a week (https://www.abs.gov.au/ausstats/abs@.nsf/ Lookup/6202.0Main%20Features3Jan%202019) (January 2019)

<u>Leave entitlements (https://www.abs.gov.au/AUSSTATS/abs@.nsf/Previousproducts/6291.0.55.003Main%20Features6Nov%202015)</u> (November 2015)

<u>Duration of employment (https://www.abs.gov.au/AUSSTATS/abs@.nsf/Previousproducts/6291.0.55.003Main%20Features7Nov%202015)</u> (November 2015)

Sector of main job (https://www.abs.gov.au/AUSSTATS/abs@.nsf/Previousproducts/6291.0.55.003Main%20Features10Nov%202015) (November 2015)

<u>Estimating jobs in the Australian labour market (https://www.abs.gov.au/AUSSTATS/abs@.nsf/Lookup/6202.0Main%20Features1100Feb%202013)</u> (February 2013)

Employment in mining in Queensland, New South Wales and Western Australia (https://www.abs.gov.au/AUSSTATS/abs@.nsf/Lookup/6202.0Main%20Features2May%202012) (May 2012)

### Unemployment and underemployment

<u>Insights into job attachment during the pandemic (https://www.abs.gov.au/articles/insights-job-attachment-during-pandemic-february-2022) (February 2022)</u>

<u>Insights into job attachment during the pandemic (/articles/insights-job-attachment-during-pandemic-january-2022)</u> (January 2022)

Insights into job attachment during the pandemic (/articles/insights-job-attachment-during-pandemic-november-2021) (November 2021)

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### Previous catalogue number

This release previously used catalogue number 6202.0.

# Methodology

<u>Labour Force, Australia methodology, June 2022</u>